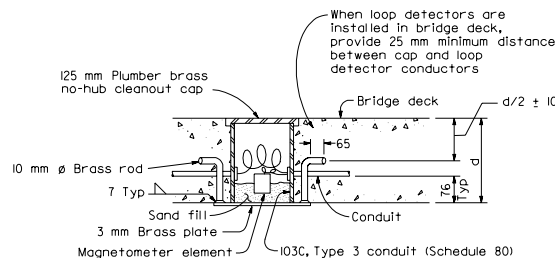
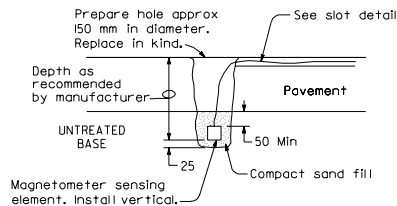


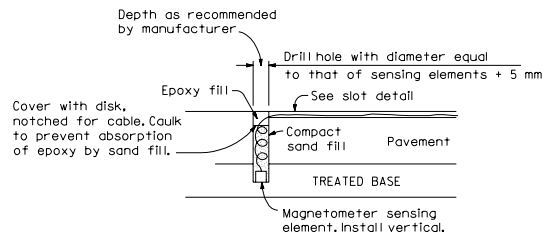
**INSTALLATION DETAIL
IN BRIDGE DECK**



SECTION A-A



**LIGHT DUTY ROADWAY
(With untreated base)**



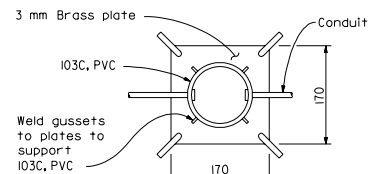
**HEAVY DUTY ROADWAY
(With treated base)**

MAGNETOMETER SENSING ELEMENT INSTALLATION DETAILS

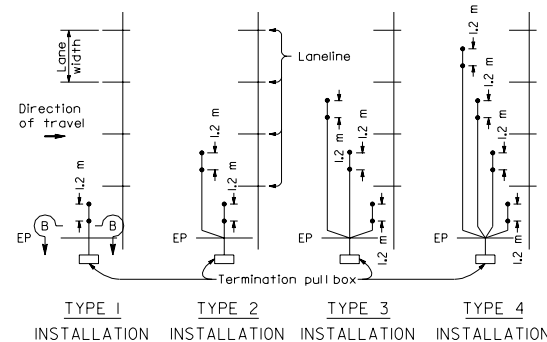
MAGNETOMETER DETECTOR INSTALLATION PROCEDURE

1. Prepare holes for sensing elements and saw slots in pavement for magnetometer cables as shown in details. Slots shall be washed until cleaned. Blow out and dry thoroughly with compressed air.
2. Install termination pull box. See termination details.
3. Install heads in holes and install cables in slots using 5 mm to 6 mm wood paddle and run to adjacent pull box allowing 1.5 m of slack at the pull box. Hold cables with wood paddles at the bottom of the sawed slot during sealant placement.
4. Identify cables by lane or sensor unit designation.
5. Splice magnetometer cables to lead-in-cables. All splices shall be soldered using rosin core solder.
6. Test each sensing element circuit at controller or count station cabinet before filling holes and slots. Excitation circuits shall have a resistance of 50Ω * per head and detection circuits shall have a resistance of 300Ω * per head. Measurements shall be made with a low range ohmmeter.
7. Fill slots and sensing element holes as shown in details.
8. Lead-in-cable shall not be spliced between the termination pull box and the controller cabinet terminals.
9. See Standard Plan ES-5E for curb termination details.

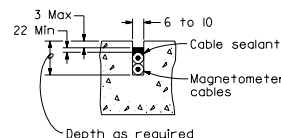
*Or other resistance per manufacturer's specifications



**DETECTOR INSTALLATION IN
BRIDGE DECK**



LAYOUTS AND DIMENSIONS



SECTION B-B

SLOT DETAIL



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL	PROJECT NO.	SHEET TOTAL

REGISTERED ELECTRICAL ENGINEER

July 1, 1999

PLANS APPROVAL DATE

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

REGISTERED PROFESSIONAL ENGINEER

Compel

EXPIRATION DATE

NO. E13633

EXD. 6-30-03

ELECTRONIC

STATE OF CALIFORNIA

SIGNAL, LIGHTING AND ELECTRICAL SYSTEMS DETECTORS

NO SCALE

ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

ES-5D